

CLAIMS

1 . An adapter for flexographic machines, intended to be inserted on an inner shaft of the machine and to receive inserted thereon an extractable jacket having an inner diameter larger than the outer diameter of the shaft
5 and carrying a print plate, for making an adjustment between said inner shaft and said extractable jacket, having two end portions and comprising: two rigid rings, each rigid ring being situated at one of the end portions of the adapter; a first inner cylindrical member mutually connecting said end rings, said first inner member being rigid, thin and capable of expansion and being intended
10 to rest on said shaft; a second external cylindrical member mutually connecting said end rings, said second external member being rigid, forming the outer surface of the adapter and being intended to receive a jacket inserted thereon; expansion means provided for securing said end rings to said shaft; and openings provided in said second external member for allowing blowing
15 compressed air intended to make easier the insertion and extraction of said jacket with respect to said second external member.

2 . An adapter as set forth in claim 1, further comprising a compressible layer, said compressible layer being made of an elastic material, backing said first inner rigid member and allowing the dilation of said first inner member
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3 . An adapter as set forth in claim 1, further comprising a filling material, said filling material being made of a rigid and light material, and being inserted between said first inner member and said second external member.

4 . An adapter as set forth in claim 1, wherein each said end ring
25 comprises an inner expandable chamber forming one of said expansion means.

5 . An adapter as set forth in claim 1, wherein each said end ring
comprises an inner expandable chamber forming one of said expansion
means, and comprising a tube mutually connecting the expandable chambers
30 of both said end rings, and an inflating valve provided in one of said end rings.

6 . An adapter as set forth in claim 1, further comprising expandable chambers provided in said shaft in register with each said end rings, said expandable chambers forming said expansion means.

5 7 . An adapter as set forth in claim 1, further comprising expandable chambers forming said expansion means, and means for introducing in said expandable chambers a fluid under pressure.

8 . An adapter as set forth in claim 1, further comprising expandable chambers forming said expansion means, a fluid filling said expandable chambers, and mechanical means capable of compressing said filling fluid.

10 9 . An adapter as set forth in claim 1, wherein said first inner member has an elastic interference with respect to a central portion of said shaft in order to ensure a blocking action of the adapter on said shaft in addition to the blocking action of said end rings.

15 10 . An adapter as set forth in claim 1, wherein said end rings are made of stainless steel.

11 . An adapter as set forth in claim 1, wherein said first inner member is made of glass fiber.

12 . An adapter as set forth in claim 1, wherein said second external member is made of carbon fiber.

20 13 . An adapter as set forth in claim 1, wherein said second external member is made of carbon fiber, and further comprising a protecting material, such as nickel, covering said second external member.

14 . An adapter as set forth in claim 1, wherein said filling material is a rigid polyurethane foam.